

Communication Assets Survey and Mapping (CASM) Tool Project

Overview & AZ Plan

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Outline

- Overview
- CASM
- AZ History & Status
- Roll-out Plan (*High Level*)
- Project Plan (*High Level*)



Overview

CASM is provided by the US Dept of Homeland Security, Office of Emergency Communications through the Interoperable Technical Assistance Program (DHS/OEC ICTAP)

AZ is adopting the use of CASM to collect and maintain info on Public Safety/First Responder communications

Use of CASM is included in Arizona's SCIP Objective 1.3, along with creation of TICPs under Strategic Initiative 1 – Expand and Implement Interoperable Communications Governance Model and Plan



Arizona & CASM

- CASM is being populated in 2010 through resources provided by an IECGP grant for \$220,000 requested by the City of Phoenix and MOU'd to the PSIC office for support of CASM deployment statewide
- City of Phoenix has agreed to continue to serve as Administrative Agent for CASM (with the support of SIEC and PSIC)
- The CASM Contact at City of Phoenix: Jesse Cooper, Communications/IT Manager, City of Phoenix Police – jesse.cooper@phoenix.gov



CASM Purpose

- CASM is a web-based single repository to support interoperable communications analysis to:
 - Facilitate information sharing
 - Hold communication assets inventory assessment (agency, region, statewide)
 - Foster inter-agency interoperability analysis
 - Enable development of Tactical Interoperable Communication Plans (TICPs)
 - Evaluate an agency's "Need vs. Ability" to communicate

- CASM enables:
 - Creation of Inventory (agency, region)
 - Understanding of the level of interoperability between agencies/regions
 - Identification of interoperability gaps
 - Information with which to create Investment Justifications / Funding requests
 - Development of plans to close gaps and improve interoperability

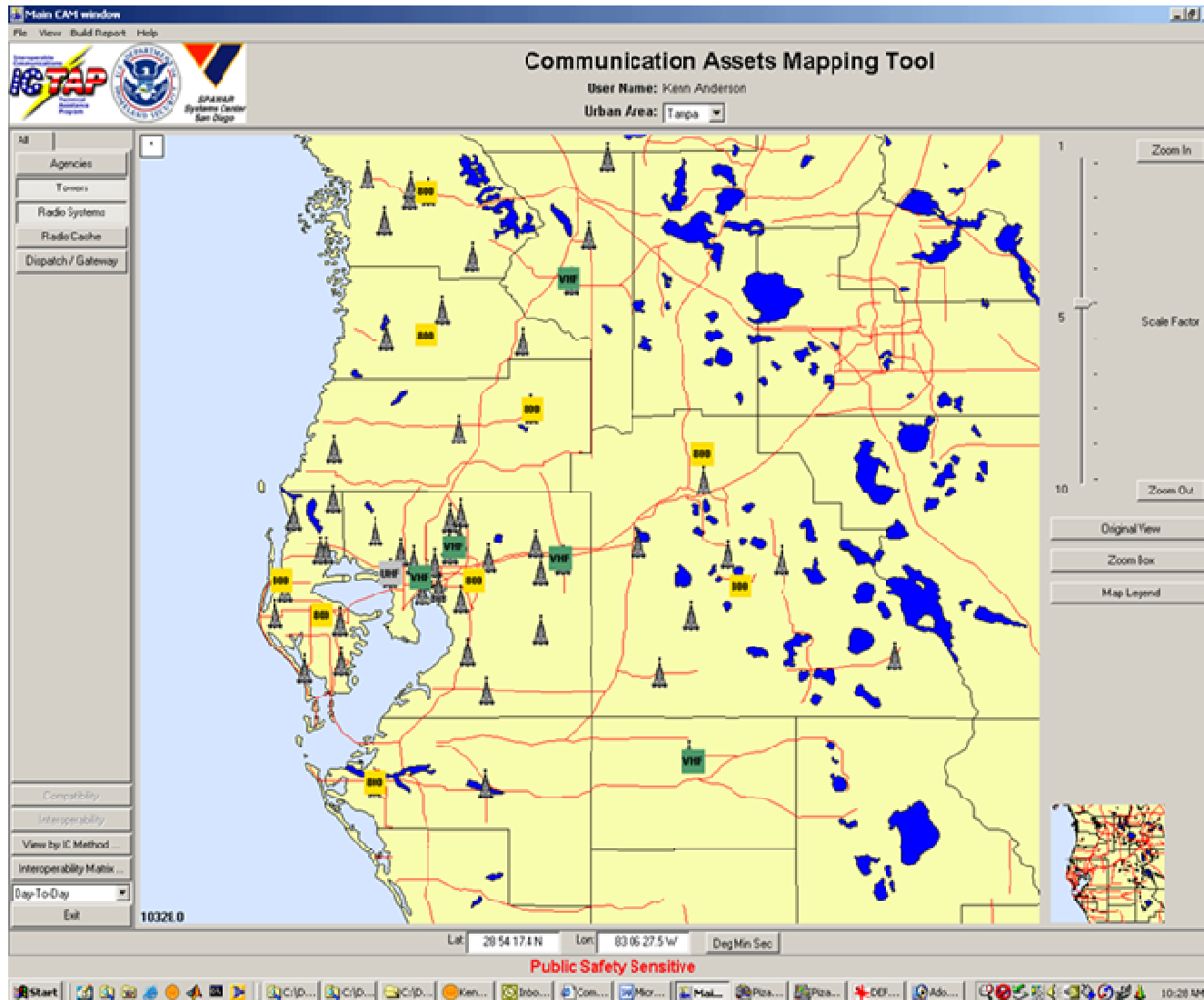


CASM Components

- Communications Assets Survey (CAS)
 - A set of forms and web-accessible database
 - Supports the specification of communication assets and their usage
- Communications Assets Mapping (CAM)
 - A web-client application to display agencies/regions and assets on a map
 - Enables performance of interoperability analysis
- Secure CASM national server: <https://franz/spawar.navy.mil>
 - Located at SPAWAR System Center in San Diego, CA
 - Requires user credentials
 - Supports web-browser access to CAS
 - Provides for download/installation of CAM client application

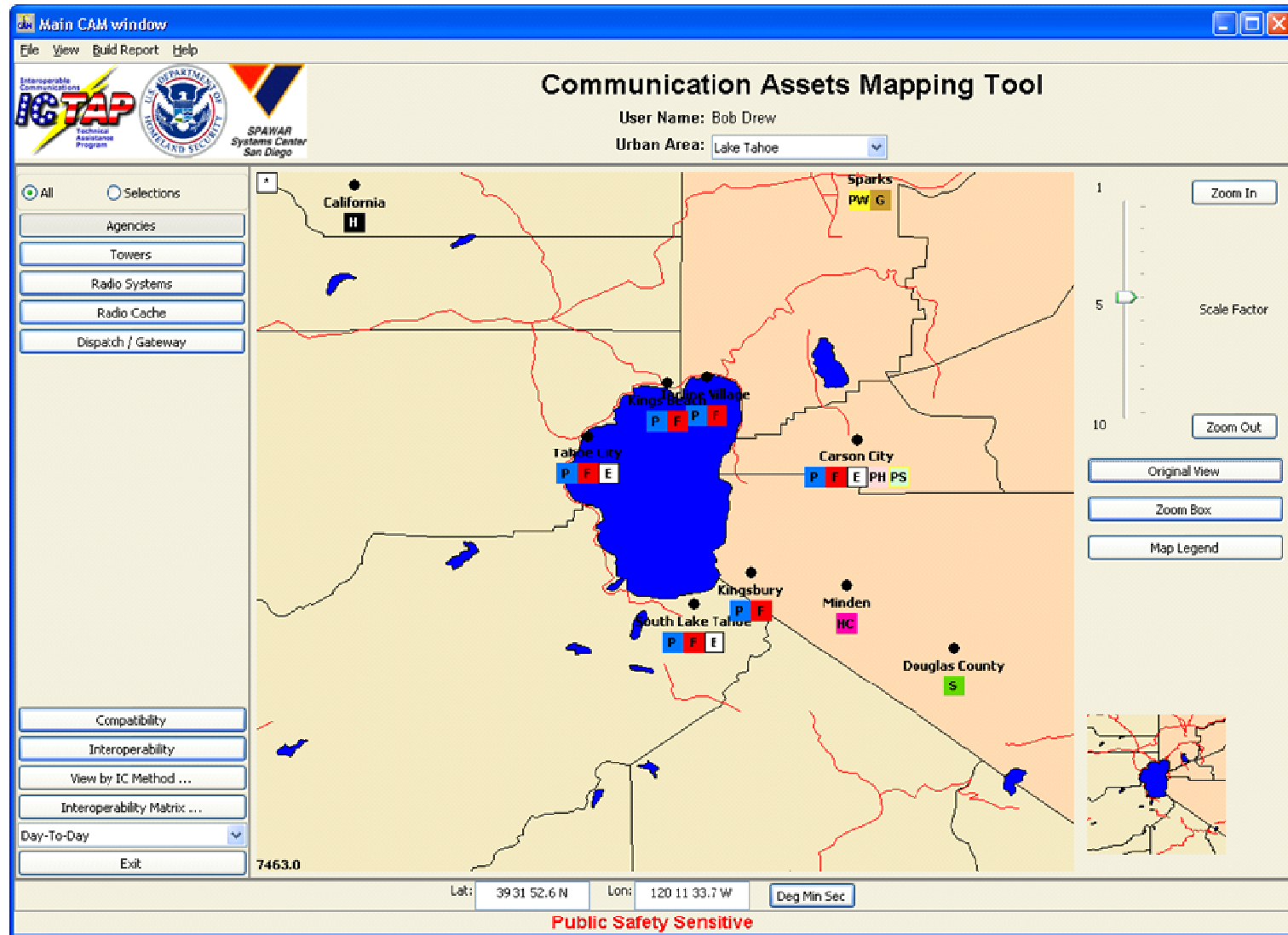


Asset Mapping (Simulated)





Inventory Mapping (Simulated)



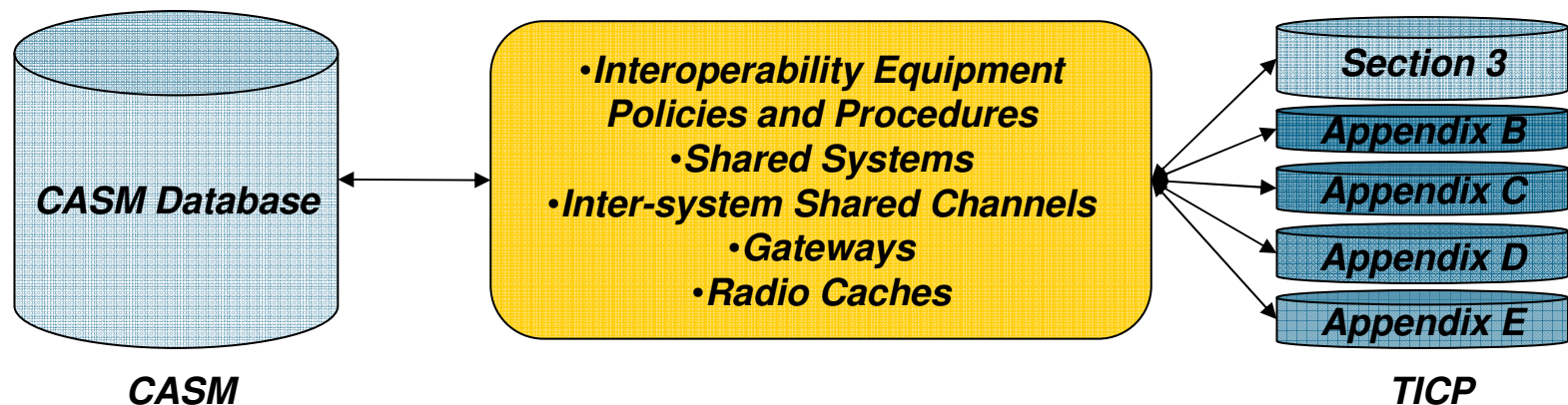


CASM and Interoperability

- CASM Definition of Interoperability – the utilization of communication assets to provide interoperability between agencies in alignment with the SAFECOM Interoperability Continuum for technology (voice elements)

Technology	DATA ELEMENTS	Swap Files	Common Applications	Custom-Interfaced Applications	One-Way Standards-Based Sharing	Two-Way Standards-Based Sharing
	VOICE ELEMENTS	Swap Radios	Gateway	Shared Channels	Proprietary Shared System	Standards-Based Shared System

- CASM will generate a pre-formatted report for Section 3 and Appendixes B-E of a TICP which cover interoperability equipment and related policies and procedures
- Data from approved TICPs can be input to CASM by populating templates and submitting them to the CASM team for uploading





Sources of Information

- Tactical Interoperable Communication Plans (TICPs) or Questionnaire
- Target Capabilities Assessment (TCA)
- Radio System Communication Managers/Technicians

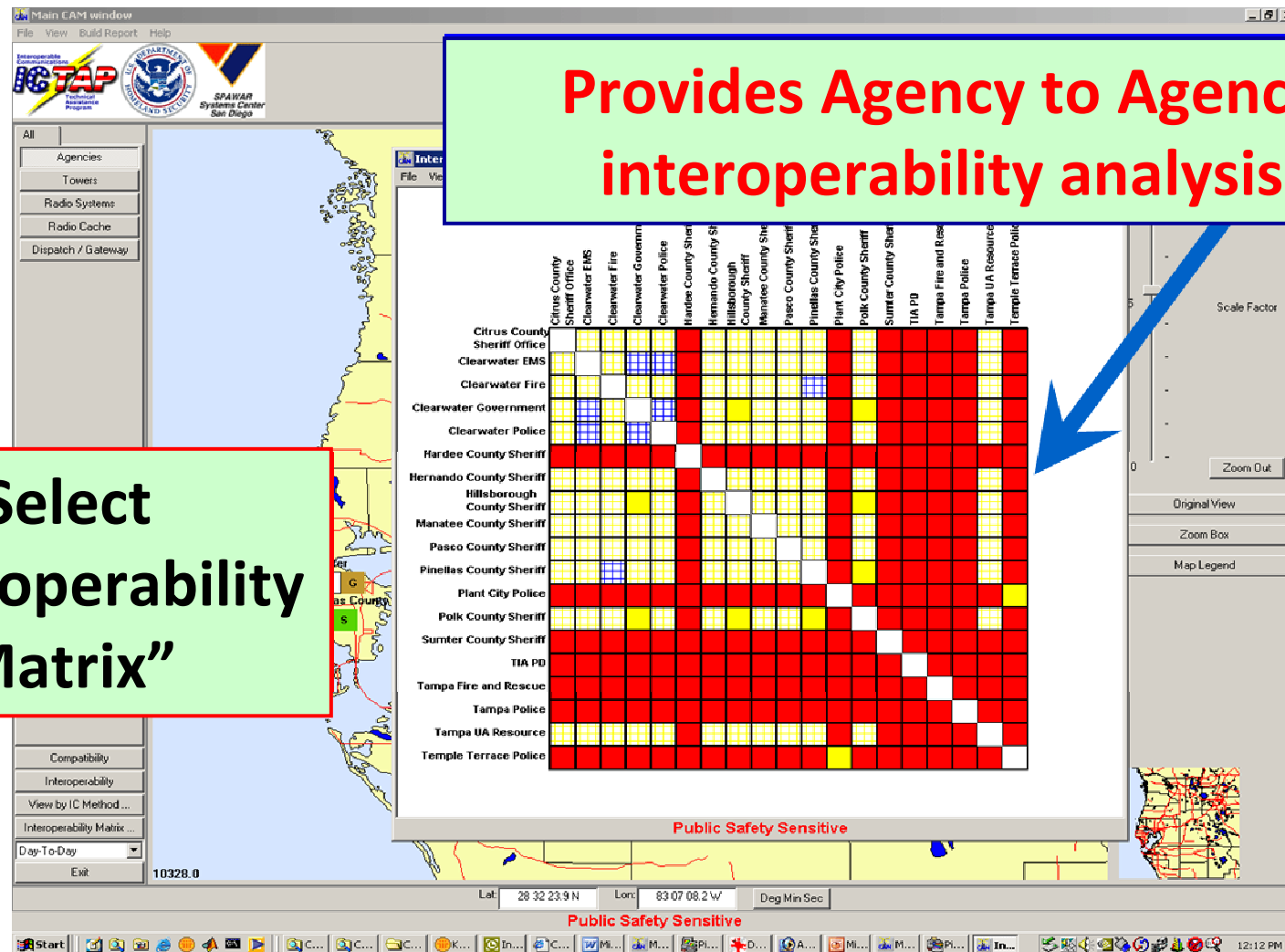
Information Needed: Interoperability Technologies including regional system assets, radio caches, shared channels/talk groups, gateways, etc.



Agency-to-Agency Interoperability

Select
“Interoperability
Matrix”

Provides Agency to Agency
interoperability analysis





CASM History in AZ

- CASM Tool released in July 2005 for use by Urban Areas receiving grants from DHS
- Access to CASM was requested by the Phoenix UASI in 2007; Jesse Cooper was named Administrative Manager
- CASM use was expanded to include non-UASI areas
- In 2008, briefings on CASM capabilities and usage were done at SIEC and PSCC meetings
- In April 2008, a “Train the Trainer” session was provided by the Interoperable Communications Technical Assistance Program to interested parties including Phoenix, Tucson, Sedona, DEMA, DPS, State Land, Pinal County, Maricopa County.



CASM – Current Status in AZ

- 17 user accounts created in 2008
- Only 4 of 13 current accounts have accessed CASM since mid-2008
- Very sparse data entry has occurred with no agency's data complete or current
- Not enough data for any region to run what-if or gap analysis
- Need criteria established to determine eligibility for access to CASM
- Need rules on who can change which data and consequences for breach of these rules



Roll-out Plan (*High Level*)

Phase 1 - Key State Agencies & Motivated Regions

- Use Data Import Service when possible
- Enter statewide and regional radio systems / assets and their usage
- Identify use of National and Statewide interoperability channels (ICALL/ITAC, VCALL/VTAC,UCALL/UTAC, Fire, LEA, HEAR, etc.)
- Create dataset consistent with TICP or enable creation of technology portion of TICP



Roll-out Plan (*High Level*) - *continued*

Future Phases

- Enter new regional system information as systems are developed
- Enter updated information for systems for which data was included in Phase I
- Enter information regarding municipal agencies (e.g., local Fire, Police, EMS) anticipated to form the core of planned regional systems



CASM Project Plan (*High Level*)

- Seek Guidance/Support from City of Phoenix, SPAWAR and SIEC
- Define detailed project plan for Phase 1
- Hire knowledgeable (*contract*) project manager
- Identify role of regional POCs and state resources
- Develop naming conventions and target technology list
- Prepare business case outreach materials for CASM/TICP use
- Determine interested regions and agencies
- Develop and execute detailed Roll-out Plan
- Determine success stories and educate others regarding benefits
- Identify additional funding and long term sustainment strategy
- Define future phases based on lessons learned and available funding

Questions?

Discussion

